

FORM PTO-459 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER BB-1264
		U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR) 09/857524

INTERNATIONAL APPLICATION NO. PCT/US99/28589	INTERNATIONAL FILING DATE 2 DECEMBER 1999 (02.12.99)	PRIORITY DATE CLAIMED 3 DECEMBER 1998 (03.12.98)
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TITLE OF INVENTION
MEMBRANE-BOUND DESATURASES

APPLICANT(S) FOR DO/EO/US
CAHOON, Edgar B., et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to being national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b)) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application was filed (35 U.S.C. 371 (c) (2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau.
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US)
6. A translation of the International Application into English (35 U.S.C. 371 (c) (2)).
7. A copy of the International Search Report (PCT/ISA/210).
8. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c) (3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
9. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
10. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409)
12. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 18 below concern document(s) or information included :

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. A substitute specification.
17. A change of power of attorney and/or address letter.
18. Certificate of Mailing by Express Mail.
19. Other items or information:

17. Gen ral P wer f Att rney
18. Express Mailing Label N .: EL031052609US

APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53) **09/8575** INTERNATIONAL APPLICATION NO. **PCT/US99/28589** ATTORNEY'S DOCKET NUMBER **BB-1264**

20. The following fees are submitted

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

Search Report has been prepared by the EPO or JPO \$860.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) \$690.00

No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$760.00

Neither international preliminary examination fee paid to USPTO (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1000.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) And all claims satisfied provisions of PCT Article 33(2)-(4) \$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT = \$860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). 20 30 \$0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	17 - 20 =	0 x	\$18.00	\$ 0
Independent Claims	2 - 3 =	0 x	\$80.00	\$ 0
Multiple Dependent Claims (check if applicable)				\$ 0

TOTAL OF ABOVE CALCULATIONS = \$ 0

Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). \$0.00

SUBTOTAL = \$ 0

Processing Fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). 20 30 \$0.00

TOTAL NATIONAL FEE = \$ 860

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). \$0.00

TOTAL FEES ENCLOSED = \$ 860

Amount to be : refunded	\$
Charged	\$

A check in the amount of _____ to cover the above fees enclosed.

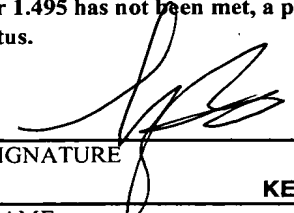
Please charge my Deposit Account No. **04-1928** in the amount of \$ **860.00** to cover the above fees.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **04-1928** a duplicate copy of this sheet is enclosed.

NOTE : Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (CFR 1.37(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

LI, KENING
E. I. DU PONT DE NEMOURS AND COMPANY
Legal Patent Records Center
1007 Market Street
Wilmington, Delaware 19898
United States of America


 SIGNATURE
KENING LI
 NAME
44,872
 REGISTRATION NUMBER
06/04/2001
 DATE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2002</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>		<i>Complete if Known</i>			
		Application Number	09/857,524		
		Filing Date	JUNE 4, 2001		
		First Named Inventor	REBECCA E. CAHOON ET AL.		
		Examiner Name	UNKNOWN		
		Group / Art Unit	UNKNOWN		
		Attorney Docket No.	BB1264 US PCT		
<input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27					
TOTAL AMOUNT OF PAYMENT	(\$)	110			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																								
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 04-1928 Deposit Account Name: E. I. du Pont de Nemours and Company The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>110</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - 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SUBMITTED BY				<i>Complete (if applicable)</i>	
Name (Print/Type)	LYNNE M. CHRISTENBURY	Registration No. Attorney/Agent)	30,971	Telephone	302-992-5481
Signature	<i>Lynne M. Christenbury</i>			Date	9/16/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

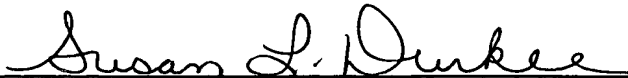
Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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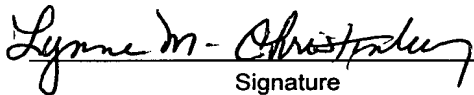
Signature

SUSAN L. DURKEE

Type or printed name of person signing Certificate

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09/857,524
BB1264 US PCT
PRELIMINARY AMENDMENT AND RESPONSE TO NOTIFICATION OF DEFECTIVE
RESPONSE
STATEMENT UNDER 37 1.821(g) AND 1.825(b)
SEQUENCE DISKETTE - CRF
SEQUENCE LISTING - 19 PAGES
COPY OF NOTIFICATION OF DEFECTIVE RESPONSE
PETITION FOR EXTENSION OF TIME
POSTCARD

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) BB1264 US PCT										
In re Application of REBECCA E. CAHOON ET AL.												
Application Number 09/857,524	Filed JUNE 4, 2001											
For MEMBRANE-BOUND DESATURASES												
Group Art Unit UNKNOWN	Examiner UNKNOWN											
<p>This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.</p> <p>The requested extension and appropriate non-small-entity fee are as follows (check time period desired):</p> <table style="width:100%; border: none;"> <tr> <td style="padding-left: 20px;"><input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))</td> <td style="text-align: right; padding-right: 20px;">\$110.00</td> </tr> <tr> <td style="padding-left: 20px;"><input type="checkbox"/> Two months (37 CFR 1.17(a)(2))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 20px;"><input type="checkbox"/> Three months (37 CFR 1.17(a)(3))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 20px;"><input type="checkbox"/> Four months (37 CFR 1.17(a)(4))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 20px;"><input type="checkbox"/> Five months (37 CFR 1.17(a)(5))</td> <td style="text-align: right;">\$</td> </tr> </table> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is: \$ _____ .</p> <p><input type="checkbox"/> A check in the amount of the fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Commissioner has already been authorized to charge fees in this application to a Deposit Account.</p> <p><input type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number _____ . I have enclosed a duplicate copy of this sheet.</p> <p>I am the <input type="checkbox"/> applicant/inventor.</p> <p style="padding-left: 20px;"><input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).</p> <p style="padding-left: 20px;"><input checked="" type="checkbox"/> attorney or agent of record.</p> <p style="padding-left: 20px;"><input type="checkbox"/> attorney or agent under 37 CFR 1.34(a). Registration number if acting under 37 CFR 1.34(a). _____ .</p> <p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>			<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$110.00	<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$	<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$	<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$	<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$110.00											
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$											
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$											
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$											
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$											
<u>Sept. 16, 2002</u> Date	 Signature LYNNE M. CHRISTENBURY Typed or printed name											
09/24/2002 LANDGRA 00000056 041928 09857524 01 FC:115	110.00 CH											
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.												
<input checked="" type="checkbox"/> *Total of 1 forms are submitted.												

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